



June 1999									
Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

NEW MEXICO, Southeast

Eddy County

6 W Loco Hills	02	1505MST	0	0	Hail(0.75)
Storm developed in west-central Eddy County along the dryline. Moved to the northeast and dissipated in Lea County.					

Eddy County

6 W Loco Hills	02	1540MST	0	0	Hail(0.75)
Cell developed on flank of previous storm.					

Eddy County

1 W Loco Hills	02	1550MST	0	0	Hail(1.00)
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Eddy County

1 W Loco Hills	02	1550MST	0	0	Thunderstorm Wind (52)
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Eddy County

6 E Loco Hills	02	1609MST	0	0	Hail(2.75)
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Lea County

4 SE Maljamar	02	1621MST	0	0	Hail(0.88)
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Lea County

4 S Maljamar	02	1625MST	0	0	Hail(2.00)
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Lea County

4 SE Maljamar	02	1633MST	0	0	Hail(1.75)
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Lea County

Lovington	02	1700MST	0	0	Hail(1.00)
As the storms approached Lovington they formed into a multicell line.					

On this afternoon the dryline pulled a short distance away from the mountains and with favorable convergence was able to act as the focus for deep convection in Southeast New Mexico. Winds in the Pecos Valley were sustained at about 15 knots from about 130-140 degree into the dryline. Temperatures were in the lower 90s with dewpoints in the lower to mid 60s

Lea County

12 SW Buckeye	02	1710MST	0	0	Hail(1.25)
This storm formed on the outflow boundary to the south of the developing line that was moving through Lovington					

Eddy County

2 S Carlsbad	07	1723MST	0	0	Hail(0.75)
Cells that developed along the Delaware and Guadalupe Mountains in Texas moved to the east and kept developing farther and farther north into New Mexico. This cell briefly produced dime size hail. Storms farther south in Texas were moving to the SSE.					

Eddy County

4 S Artesia	08	1651MST 1700MST	0	0	Hail(2.00)
Hail began 3/4" diameter and grew to 2". This cell was on the south side of a developing line of cells.					

Lea County

4 SE Maljamar	08	1844MST	0	0	Hail(0.75)
This cell was the most intense of a line of cells passing through the area					

Storms developed on the Sacramento Mountains and moved eastward into Eddy County. The organization of the storms was aided by an upper level disturbance moving to the east. The organized lift associated with the disturbance appeared to help storms form into a line. By the time the storms crossed the Eddy/Lea County line, an almost continuous line existed southward into Southwest Texas.



National Weather Service

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NEW MEXICO, Southeast

Lea County

7 W Jal

11 1532MST 0 0 Hail(1.75)

The left-split cell of a storm that formed over Loving County, TX, moved to the northeast into southern Lea County, NM. The this single cell storm dropped its hail on State Highway 128. The storm continued to the northeast, just missing Eunice, then dropped more hail in the northwest corner of Andrews County, TX.

Lea County

Monument

19 1500MST 0 0 Flash Flood
1700MST

Flash flooding occurred on State Highway 8 near Monument. The initial cell that rained on the area formed along the Texas state line and moved to the NNW. Near Monument this cell merged with other cells to produce torrential rains for a short period.

Eddy County

South Portion

20 2200MST 0 0 20K Flash Flood
21 0200MST

A very tropical air mass and a shear axis in the mid levels of the atmosphere, plus slow movements of storms all added up to give Eddy County, NM excessive rains on the night of the 20th. Nine county roads were closed at one time or another, plus State Highway 128 was closed for a short time in the early morning. Several cars were stranded in water crossings, and asphalt was washed away at some crossings as well. Water flowed 14 feet deep on Higby Hill Road.

Eddy County

Carlsbad

21 2000MST 0 0 Flash Flood
2230MST

An upper level disturbance interacted with copious amounts of Pacific moisture from Hurricane Adrian, located south of Baja Mexico, to produce thunderstorms that dropped 4 to 5 inches of rain over southern Eddy county. Flash flooding occurred with over one foot of water reported to cover portions of Dark Canyon Road.

Eddy County

1 W Artesia

25 1540MST 0 0 2K Thunderstorm Wind

Microburst winds from a storm moving to the southeast blew part of a roof off a trailer.

TEXAS, West

Winkler County

(Ink)Winkler Co Arpt

04 1655CST 0 0 Hail(1.25)

Winkler County

Kermit

04 1700CST 0 0 Hail(1.00)

This storm developed on the dryline near the Loving/Winkler County line. It moved to the east following State Highway 302. The storm weakened after leaving Kermit.

Pecos County

15 E Ft Stockton

05 1530CST 0 0 Hail(1.75)

Pecos County

2 N Bakersfield

05 1610CST 0 0 Hail(1.75)

Pecos County

5 NE Bakersfield

05 1618CST 0 0 Hail(1.75)

Pecos County

5 E Bakersfield

05 1704CST 0 0 Hail(1.75)



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TEXAS, West

Pecos County

15 SE Bakersfield 05 1902CST 0 0 Hail(0.75)

Pecos County

Sheffield 05 2000CST
2010CST 0 0 1.8M Hail(4.00)

Pecos County

Sheffield 05 2000CST
2010CST 0 0 Thunderstorm Wind (52)

This supercell storm was active for over 4 hours in Pecos County alone while travelling parallel to I-10. The intense rotating updraft collapsed over Sheffield sending grapefruit hailstones in 60+ mph outflow winds. Almost every north and west facing windows were broken in town. The hailstones also knocked holes in wood siding of some houses. Power lines were knocked down, and power was out for about 6 hours.

Terrell County

Sanderson 06 1635CST 0 0 Hail(1.75)

Storm Developed in eastern Brewster County and moved to the north then merged with a multicell line.

Winkler County

9 W Kermit 06 1655CST
1703CST 0 0 Hail(1.75)

Left-split storm that moved north and quickly became multicell

Andrews County

10 N Andrews 06 1810CST 0 0 Hail(0.75)

Multicell storm developed along an outflow boundary and was briefly severe.

Brewster County

23 N Panther Junction 06 1830CST 0 0 1K Hail(1.25)

Supercell storm moved to the southeast across Brewster County, mostly in open country. The hail hit the Persimmon Gap Visitor's Center at Big Bend National Park where it broke windows and dented an air conditioning hood. The storm continued to the Rio Grande where 1/2 inch hail covered the ground.

Jeff Davis County

16 NW Ft Davis 07 1535CST 0 0 Hail(1.00)

Strong cell amongst many that developed in the Davis Mountains.

Brewster County

Alpine 07 1542CST
1610CST 0 0 Hail(1.00)

Cell developed on south flank of storms in Davis Mountains.

Brewster County

7 S Alpine 07 1625CST 0 0 Hail(0.75)

The Alpine cell moved slowly south.

Brewster County

25 S Alpine 07 1900CST
2100CST 0 0 Flash Flood

The cluster from northern Brewster and Presidio Counties continued to move slowly south-southeast into the central and southern parts of Brewster County. Flash flooding was reported at the Elephant Mountains Wildlife Management Area.

Brewster County

11 NE Study Butte 07 1959CST 0 0 Hail(0.75)

Strong cell in a large area of precipitation that briefly produced dime-size hail.



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TEXAS, West

Storms developed in the mountainous areas and generally moved to the south. A large area of precipitation developed in the Rio Grande drainage basin and caused the river to rise to near bankfull stage north of Presidio

Reeves County Balmorhea

08	2015MST 2300MST	0	0		Flash Flood
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Rain from a series of storms added to cause minor flooding in Balmorhea.

An upper level disturbance helped to organize storms over southwest Texas, but before the disturbance passed through, several storms moved over southern Reeves County. The storms eventually formed into a line that stretched north into eastern New Mexico.

Andrews County 10 S Andrews

09	1950CST 2001CST	0	0		Hail(1.00)
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Andrews County 2 SE Andrews

09	1958CST 2008CST	0	0		Hail(1.00)
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Andrews County Andrews Co Arpt

09	2012CST 2020CST	0	0		Hail(1.00)
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Midland County Midland

09	2225CST 2355CST	0	0		Flash Flood
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Flooding over the curb was reported on Midkiff at I-20.

Afternoon thunderstorms developed late in the day and formed a line from Fort Davis to near Monahans, and slowly moved northeast. The 06/10/99 00z upper air sounding at Midland indicated the atmosphere was very unstable. The Permian Basin was in the front left quadrant of the jet stream with an approaching weak upper level disturbance, but the atmosphere lacked the wind shear necessary for supercell storm development. By evening, some of the storms had become severe producing several one inch hail reports and one flash flood event.

Winkler County 4 NW Wink

10	1818CST	0	0		Hail(0.75)
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An intense single cell storm that moved eastward across the county but weakened quickly before crossing into Ector County

Scurry County Snyder

10	2310CST 2325CST	0	0	4M	Hail(1.75)
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Hail fell from the southern end of a multicell cluster moving east across Scurry County. Numerous cars and roofs were damaged from 24th Street to 44th Street.

Scurry County 12 N Snyder

10	2310CST	0	0	1K	Thunderstorm Wind
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Scurry County 3 SW Hermleigh

10	2330CST	0	0	1K	Thunderstorm Wind
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Scurry County Pyrone

10	2342CST	0	0	6K	Thunderstorm Wind
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Widely scattered thunderstorms developed over Pecos, Reeves, Winkler, and Howard Counties in the late afternoon, but by 830 pm CDT all storms were dying rapidly. However, strong to severe storms in the Texas South Plains moved southward into Scurry County by 1030 pm. This multicell cluster became disorganized, but put out an outflow boundary that helped a new cluster to form. This cluster moved east and with localized downbursts that took down some utility poles to the north and southeast of Snyder. After moving east of Snyder the cluster became outflow dominated and the hail threat diminished, whereas the isolated damaging winds continued.



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<u>TEXAS, West</u>								
Reeves County 2 E Saragosa	11	1423CST			0	0		Hail(1.00)
Storm formed in the Davis Mountains and moved to the east.								
Reeves County 7 S Saragosa	11	1535CST 1555CST			0	0		Hail(1.50)
Storm formed in the Davis Moutains as well and moved over the same area.								
Reeves County South Portion	11	1620CST 1800CST			0	0		Flash Flood
The two storms that travelled over the same areas dumped copious amounts of rainfall with large areas of lowland flooding reported along I-10.								
Pecos County 26 SW Ft Stockton	11	1915CST			0	0		Hail(0.75)
Storm proceeded to move to the southeast.								
Pecos County 40 S Ft Stockton	11	1952CST			0	0		Hail(1.75)
Last report on this storm.								
Several thunderstorm cells formed in the Davis Mountains with the ones that moved to the east becoming strong to severe								
Andrews County 17 NW Frankel City	11	1725CST			0	0		Hail(2.25)
The left-split cell of a storm that formed over Loving County, TX, moved to the northeast into southern Lea County, NM. The storm continued to the northeast, just missing Eunice, then dropped more hail in the northwest corner of Andrews County, TX. The storm quickly weakened after moving into Gaines County.								
Borden County 13 NW Gail	11	1945CST			0	0	1K	Thunderstorm Wind
Utility lines knocked down in the Mesquite community.								
Borden County North Portion	11	1955CST 2200CST			0	0		Flash Flood
Roads were covered with flooding waters including a foot of water running across FM 1054								
Scurry County Fluvanna	11	2000CST			0	0		Hail(0.75)
Scurry County Fluvanna	11	2000CST			0	0	30K	Thunderstorm Wind
Rear-flank downdraft winds blew a car off the road and blew down 40 utility poles near Fluvanna. Five Hundred customers lost power with some power outages lasting until 5:30 Sunday morning (over 32 hours).								
Borden County 2 E Lake J B Thomas	11	2015CST			0	0	30K	Thunderstorm Wind
Scattered thunderstorm wind damage occurred near Lake Thomas that included roofs blown off two carports and a lake pumphouse, a travel trailer overturned, and 15 utility poles broken. The winds were associated with the RFD winds that hit the Mesquite area.								
Scurry County Countywide	11 12	2030CST 1400CST			1	0	50K	Flash Flood
A major flood and flash flood event occurred on the Friday night, June 11 and into Saturday afternoon, June 12. Four separate thunderstorm cells/complexes moved over Scurry County between 9pm and 2:15 am CDT Friday night with the first initial flooding								



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TEXAS, West

report at 9:30pm west of Snyder on Highway 180. Rain totals of 5-7 inches were common across northern Scurry County, and heavy rains from the night of the 10th contributed to the flooding as well.

At about 1:45 am, the Department of Public Safety reported water starting to flow over U.S. 84 between Snyder and Dermott. One more bout of heavy rain crossed over this area for the next half hour, then the storms moved off to the east

Department of Transportation personnel were waving at people attempting to keep them from entering the flood waters, but the drivers were not heeding this warning. A 48-year-old woman from Dallas, TX and her parents were in her sedan driving to the northwest on U.S. Highway 84 between Snyder and Dermott. At 2:47 am they entered the flooded waters 8.1 miles northwest of Snyder. The rushing waters were 2-3 feet deep running across the highway from Northeast to southwest. The car was pushed from the left lane into the center median that separates the northbound and southbound traffic of this four lane highway. The car disappeared into the waters in the median. The parents of the woman were rescued by a man in a following vehicle, but the woman could not be saved. Waters continued to rise for a short while later. Flooding on the highway receded about 5am. This highway was closed from Roscoe to Post until 11:15 am.

Later in the morning more showers developed in Scurry County that caused additional minor flooding and thunderstorms developed in the afternoon in Dawson and Borden Counties that moved across the southern parts of Scurry County as well. Flash flooding was popping up for an extended period of time in several sections of the county.

Deep Creek was above flood stage in the city of Snyder, cresting at 15.5 feet on Saturday morning, 4.5 feet above flood stage. One business and one house were flooded by rising waters. The running water also broke apart some asphalt on 26th St., and some bridges in town were flooded.

F48VE

Scurry County
8 W Snyder

11	2030CST	0	0			Hail(0.75)
The Fluvanna storm moved to the southeast.						

Scurry County
8 SW Snyder

11	2105CST	0	0			Hail(1.75)
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Scurry County
4 S Snyder

11	2110CST	0	0			Hail(0.75)
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Scurry County
5 SE Snyder

11	2129CST	0	0			Hail(1.75)
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Scurry County
Dunn

11	2145CST	0	0	600K		Hail(2.75)
Hail up to baseball size pounded the countryside near Dunn. Cars and houses suffered extensive damage in the area. Holes were knocked in vinyl siding.						

The events of this day ranged from a couple of small events in the western and southwestern parts of the region to one huge event in the northeastern sections (mostly in Scurry County). A storm that developed on the Texas South Plains became a supercell in Lynn County, TX (see Lubbock section of this publication) after crossing a surface boundary that stretched from Big Spring to west of Tahoka. This monstrous storm turned right and headed into northwestern Borden County and eventually into Scurry County. As it entered Borden County it collided with smaller thunderstorm cells resulting in less organization over all. The structure still held together enough to cause large hail near the updraft and damaging winds on the rear-flank downdraft.

Other cells formed on flanks of this storm and on the original boundary allowing parts of Scurry County to get pounded several times overnight leading to Flash Flooding and River Flooding. Benefits of the heavy rains were that Lake J.B. Thomas rose 15 feet during the event, from 4% capacity to 20% capacity. The last time the lake was this high was in 1994.

Upton County
North Portion

12	1700CST 1900CST	0	0			Flash Flood
Flash flooding rains washed out portions of FM 2401 and FM 2594.						



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TEXAS, West									
Upton County									
13 N Rankin	12	1700CST			0	0			Hail(0.75)
Multicell storm that formed along an old outflow boundary.									
Upton County									
13 N Rankin	12	1725CST			0	0			Thunderstorm Wind (61)
Outflow winds from same storm.									
Pecos County									
Southwest Portion	14	1100CST 1500CST			0	0			Flash Flood
After several heavy rain events in the Hovey area, heavy rains once again pounded the Hovey area causing flash flooding over an extensive area west of U.S. Highway 67 in Pecos County. These waters eventually flowed into Coyanosa Draw causing it to flood.									
TXZ058-075									
Reeves County And Upper Trans Pecos - Pecos									
	14	1500CST			0	0			Flood
	15	1600CST							
The flooding waters from the Hovey area worked their way down Coyanosa Draw toward the Pecos River. One rain report from over the weekend was 10.65" of rain measured 1 mile northwest of Hovey. By 630 pm CDT the flow under the I-10 bridge had risen to an estimated 15 feet in depth, while at the U.S. 285 crossing the normal 2 foot depth was occurring. By 730 pm the Highway 285 crossing was 6 feet deep and by 930 pm was flooding the highway with one foot of water. This flooding continued until approximately 230 am. The width of this flooding across the highway was about 1500-2000 feet.									
This flood wave worked its way to the north toward the Pecos River and caused flash flooding on FM 1450 and FM 1776									
When the flood wave crested along FM 1450 there was flooding for a 5-6 mile stretch. A few miles north of FM 1450 the waters ran into the Pecos River.									
Pecos County									
Northwest Portion	15	0900CST 1300CST			0	0			Flash Flood
Reeves County									
East Portion	15	0900CST 1300CST			0	0			Flash Flood
Flash flooding occurred on FM 1776 and FM 1450 with waters rising to 2.5 feet deep in several places. Eventually the flooding became more generalized as the Coyanosa flood wave began to crest.									
Ward County									
8 W Pyote	18	1945CST			0	0			Hail(1.00)
A hailstorm that sat over I-20 in Ward County coated the highway with ice. An 18-wheeler truck overturned on the slick highway near Mile Marker 58.									
Howard County									
Big Spring	19	1655CST			0	0	1K		Thunderstorm Wind
Outflow winds damaged the roof of a house.									
Howard County									
Coahoma	19	1704CST			0	0	1K		Thunderstorm Wind
Outflow winds knocked down at least one utility pole									

A W-E oriented multicell cluster moved north into the area where brief downbursts caused minor damage



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TEXAS, West